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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/724,700	12/02/2003	Shuntaro Aratani	03500.017761.	1993

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EXAMINER	
RILEY, MARCUS T	

ART UNIT	PAPER NUMBER
2625	

MAIL DATE	DELIVERY MODE
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/724,700	ARATANI ET AL.	
	Examiner	Art Unit	
	MARCUS T. RILEY	2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *13 August 2010*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-18* is/are pending in the application.

4a) Of the above claim(s) *1-8,12 & 16* is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *9-11, 13-15, 17 & 18* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *02 December 2003* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on August 13, 2010 has been entered.

Response to Amendment

2. This office action is responsive to applicant's remarks received on August 13, 2010. **Claims 9-11 & 13-15** are pending. **Claims 1-8, 12 & 16** have been cancelled.

Response to Arguments

3. Applicant's arguments with respect to amended **claims 9 & 13** filed on August 13, 2010 have been fully considered but they are not persuasive.

A: Applicant's Remarks

For Applicant's remarks see *"Applicant Arguments/Remarks Made in an Amendment"* filed August 13, 2010.

A: Examiner's Response

Applicant argues that the cited references do not disclose, teache or suggests a script program or where the broadcast event command is included in a digital broadcasting wave transmitted from a broadcasting station.

Examiner understands Applicant's arguments but respectfully disagree. A scripting language, script language or extension language is a programming language that allows control of one or more software applications. For example; a makefile script example is a scripting that checks a file and modifies it if required. Since it is from a makefile, this file is similar to a normal script but is slightly modified with lines that end with ";\" characters. For instance, {PRINTST=`grep -i "printst &" /etc/rc.d/rc.local`; \ # See if the string printst is in the rc.local file}. Here, this section demonstrates modification of the rc.local file from a makefile so a script program, "printst", may be run in the background when the system starts. With this in mind, Fig. 19 shows script language wherein at lines 26-28 of the script language shows the broadcast of "FOR PRINT MIN-DYNASTY" before and corresponding to its transmission. Furthermore, lines 26-28 of Fig. 19 shows where the script language shows "font point size=14" which triggers the occurrence of "FOR PRINT MIN-DYNASTY" to be printed with a font size of 14. Column 12, lines 11-28 shows wherein CPU system 65 performs the processing of conversion to displayable SI display signals, by performing conversion processing exploiting font data provided in the font ROM, based on the SI control signal output from the data decoder 58. The text information may be demonstrated by on-screen display based on the SI information. The printer control signals commands the printer 32 connected to outside from the STB 30 to start or discontinue the print operation or specifying the size or contents of a picture for printing to the printer 32. Therefore, printing is permitted or inhibited. Furthermore, Narushima at Fig. 8,

Column 8, lines 42-54 discloses where the broadcast event command is included in a digital broadcasting wave transmitted from a broadcasting station. For example, as shown in Fig. 8, the flow of the signals that are transmitted /received among various components making up the STB 30, are indicated by arrows. The arrows are shown throughout the STB 30 beginning at the Ground Broadcast Wave. As a result, the broadcast event command is included in a digital broadcasting wave transmitted from a broadcasting station.

Accordingly, Examiner submits that Claim 9 is not patentable over Narushima. Independent Claim 13 is a method claim corresponding to apparatus Claim 9 is also not patentable. The other claims in this application depend from one or the other of the independent claims and therefore, are also not patentable for at least the same reasons. As a result, Applicant's Application is not in condition for allowance.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. **Claims 9-11 and 13-15** are rejected under 35 U.S.C. 102(e) as being anticipated by Narushima (US 6,774,951 hereinafter, Narushima '951).

Regarding claim 9; Narushima '951 discloses a data broadcasting receiving and reproducing apparatus (Fig. 4, Digital Video Receiver 10) comprising (i.e. The digital television receiver 10 includes a unitary structure comprised of a receiver 11 for receiving digital broadcast, a display unit 12 for demonstrating digital broadcast and a printer 13 for printing a picture comprehended in the digital broadcast. Column 7, lines 34-39 and column 1, lines 9-17):

a receiving unit (Fig. 4, Receiver 11) configured to receive a digital broadcasting wave transmitted from a broadcasting station (i.e. The Receiver 11 receives digital broadcast. Column 7, lines 34-39 and column 8, lines 52-65);

a data obtaining unit (Fig. 8, Data Decoder 58) for obtaining data broadcasting data included in the digital broadcast wave (i.e. The data decoder 58 outputs the SI information, among the decoded signals, that can directly be expanded into displayable data, as SI control signal over a system bus to the CPU system 65. Column 10, lines 14-19);

wherein the data broadcasting data includes displayable content data and text data wherein the text data is described in print permission/inhibition information of the content data (i.e. The CPU system 65 also performs the processing of conversion to displayable SI display signals, by performing conversion processing exploiting font data provided in the font ROM, based on the SI control signal output from the data decoder 58. Here, the text information may be demonstrated by on-screen display based on the SI information. Column 12, lines 11-18);

and the text data includes a print permission update script program (Fig. 19, Script Program) executed based on a broadcasting event command included in the digital broadcasting wave (Fig. 19 wherein Fig. 19 shows a script program. The script information distributed by the digital broadcast is converted by the STB into a script suited to printing. Column 20, lines 64-67);

transmitted from the broadcasting station (Fig. 8. i.e. The flow of the signals that are transmitted /received among various components making up the STB 30, are indicated by arrows. Column 8, lines 42-54);

the script program being defined before and corresponding to the transmission of the broadcasting event command (Fig. 19 i.e. Lines 26-28 of the script language shows the broadcast of "FOR PRINT MIN-DYNASTY" before and corresponding to its transmission);

wherein the print permission/inhibition information indicates a set value for permission or inhibition of printing the content data (i.e. The printer control signal interface 66, connected to a system bus provided in the STB 30, has the function of transmitting/receiving printer control signals to or from the printer 32. The printer control signals are signals commanding the printer 32 connected to outside from the STB 30 to start or discontinue the print operation or specifying the size or contents of a picture for printing to the printer 32. Column 12, lines 18-28);

wherein the text data is described by a markup language (i.e. Fig. 10 shows a variety of markup languages. On the display device 31, a variety of markup languages are routinely used in the digital broadcast or on the Internet. These markup languages may be enumerated by, for example, HTML. Column 20, lines 25-30);

and wherein the script program is included within the text data described in the markup language and is a function for executing a process to update the set value of the print permission/inhibition information (i.e. Fig. 19 shows a typical case in which the script information distributed by the digital broadcast is converted by the STB into a script suited to printing. The contents information is converted by the contents information conversion unit 68 provided in the STB 30 into the HTML form shown in FIG. 19. Column 20, lines 64-67);

a storing unit (Fig. 8, Contents Information Memory 67) for storing the data broadcasting data obtained by said data obtaining unit (i.e. The Contents Information Memory stores the data and the STB 30 may be configured for transiently holding the desired contents information in the contents information memory 67 depending on a user command, or may be configured for updating the contents information comprehended in the received digital broadcast from time to time to store the occasionally updated contents information in the contents information memory 67. Column 12, lines 59-65);

a setting information obtaining unit (Fig. 8, Contents Information Outputting Unit 69) for obtaining, from the text data stored in the data storing unit, the print permission/inhibition information of the content data (Figs. 21 & 22 i.e. At Step S59 of Fig. 22, the STB 30 converts the contents information stored in the contents information memory 67 by the contents information conversion unit 68 and then moves to step S57. At step S57, the STB 30 sends the contents information converted by the contents information conversion unit 68 to the printer 32 through the contents information outputting unit 69. See column 23, lines 42-57 and column 24, lines 3-10);

converting unit (Fig. 8, Contents Information Conversion Unit 68) for updating the set value indicated by the print permission/inhibition information obtained by the data obtaining unit from one

permitting the printing the content data into one inhibiting the content data, or from one inhibiting the printing the content data into one permitting the printing the content data (i.e. The contents information conversion unit 68 reads out the contents information for printing, from the various contents information transiently stored in the contents information memory 67, and converts the contents of the contents information into contents suited to printing characteristics of the printer 32. Column 12, line 66 thru column 13, line 23).

wherein said converting unit comprises a browser (Fig. 8, CPU 65) adapted to display the content data by interpreting the text data (i.e. The CPU system 65 also performs the processing of conversion to displayable SI display signals, by performing conversion processing exploiting font data provided in the font ROM, based on the SI control signal output from the data decoder 58. Column 12, lines 12-18);

the browser updating the set value indicated by the print permission/inhibition information corresponding to the content data obtained by the data obtaining unit and stored in the data storing unit, (i.e. The CPU system 65 then performs conversion processing, exploiting the font data provided in the font ROM, based on the SI control signal, for conversion to displayable SI display signals. The data decoder 58 also decodes the contents information for printing by the printer 32 to output the decoded contents information to the contents information memory 67. Column 10, lines 4-19);

according to executing the script program corresponding to the broadcasting event command included in the digital broadcasting wave (i.e. Fig. 19 shows a typical case in which the script information distributed by the digital broadcast is converted by the STB into a script suited to printing. Column 20, lines 64-67).

Regarding claim 10; Narushima '951 discloses further comprising a transmitting unit (Fig. 8, Printer Control Signal Interface 66) for transmitting printable content data to a print device, based on the print permission/inhibition information obtained by said setting information obtaining unit (i.e. The printer control signal interface 66, connected to a system bus provided in the STB 30, has the function of transmitting/receiving printer control signals to or from the printer 32. Column 12, lines 18-24).

Regarding claim 11; Narushima '951 discloses further comprising a rendering unit (Fig. 12, Printer Control Signal Interface 88) for rendering printable content data, wherein the content data rendered by the rendering unit is transmitted by said transmitting unit to the print device (i.e. The printer control signal interface 88 is connected to a printer system bus provided in the printer 32 and has the function of transmitting/receiving printer control signals to or from the STB 30. Column 16, line 65 thru column 17, line 7).

Regarding claim 13; Independent claim 13 contains substantially similar features as that of apparatus claim 9. Thus, claim 13 is rejected on the same grounds as claim 9.

Regarding claim 14; Claim 14 contains substantially similar features as that of apparatus claim 10. Thus, claim 14 is rejected on the same grounds as claim 10.

Regarding claim 15; Claim 15 contains substantially similar features as that of apparatus claim 11. Thus, claim 15 is rejected on the same grounds as claim 11.

Regarding claim 17; Narushima '951 discloses wherein the text data further includes event command data which defines an event whose occurrence triggers execution of the script program (Fig. 19 i.e. Lines 26-28 of the script language shows "font point size=14" which triggers the occurrence of "FOR PRINT MIN-DYNASTY" to be printed with a font size of 14).

Regarding claim 18; Claim 18 contains substantially similar features as that of apparatus claim 17. Thus, claim 18 is rejected on the same grounds as claim 17.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MARCUS T. RILEY whose telephone number is (571)270-1581. The examiner can normally be reached on Monday - Friday, 7:30-5:00, est.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David K. Moore can be reached on 571-272-7437. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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